



# **Arsenic in Water Technology Vendors Forum and Theme Session**

## **New Mexico Environmental Health Conference**

**Albuquerque, NM  
October 21 - 22, 2003**



# Background

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- **Recent reduction of drinking water Maximum Concentration Level (MCL) for arsenic from 50 ppb to 10 ppb was intended to reduce incidence of bladder cancer and other cancers in US.**
- **Southwestern United States is characterized by high and variable background levels for arsenic**
- **Estimated national annual costs of implementing 10 ppb MCL range from \$165M to \$605M to save 7 – 33 lives.**
  - **\$5M – \$23.9M /life saved**
  - **\$1.3M – \$6.6M/ year of life saved**

**Can innovative technologies reduce cost and lead to overall improvements in water quality?**



# NMEHC Program Concept

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- **October 21: ½ day theme session with invited speakers**
- **Vendors Forum**
  - **October 22 AM: presentations by vendors**
  - **October 22 PM: interview of vendors by technical teams**
- **Exhibit Hall: October 20 - 22**

**Organized by Sandia National Laboratories for the  
Arsenic Water Technology Partnership**

**Forum Objective: select technologies for 2004 pilot  
demonstrations of innovative As removal technologies  
for drinking water.**



# Technical Theme Session

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- **Overview of Arsenic Water Technology Programs**
  - **Arsenic Water Technology Partnership**
    - **AwwaRF Bench-scale Studies**
    - **WERC Cost and Tech Transfer**
    - **Sandia Pilot Demonstrations**
  - **EPA Technology Research Demonstrations**
- **Technical Aspects of As Treatment Technologies**
  - **Treatment processes overview**
  - **Pilot testing considerations**
  - **Residuals characterization**



# Acknowledgements

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